Internation Application No.

PCT/EP 03/13503

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 D03D15/00 D04H13/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-003D-004H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 277 668 A (LENTE EN VISSCHER B V VAN) 10 August 1988 (1988-08-10) column 5, line 12 - line 15; figure 1	1,3,6, 12-14
X	DE 34 37 202 A (HEIDENAU NETZ & SEIL VEB) 25 April 1985 (1985-04-25) the whole document	1,3,12,
X	WO 98 46817 A (BITEAM AB ;KHOKAR NANDAN (SE)) 22 October 1998 (1998-10-22) page 18, line 38 -page 19, line 4; figures 8A,9	1,6,12, 13
Α	US 1 829 299 A (CHARLES ROSENSTEIN) 27 October 1931 (1931-10-27) the whole document	1–15

X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the International search 5 April 2004	Date of mailing of the international search report 14/04/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni, Fax: (+31–70) 340–3016	Authorized officer Pussemier, B



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		PC1/EP 03/13503
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